

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE

DIVISION OF ENVIRONMENT

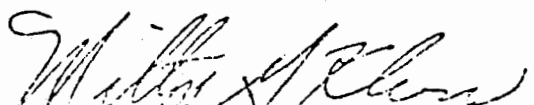
Pursuant to the Provisions
of Section 39-115 of the Idaho Code,
and the Rules and Regulations for the Con-
trol of Air Pollution in Idaho,

Idaho Portland Cement Company
Permittee, including affiliates, if any

Inkom, Idaho 83245
Located at

is hereby granted permission to operate the Air
Pollution Source(s) and Control Equipment specified
herein provided the emission limitations, monitoring
requirements and other conditions set forth in the
Source Permit(s) are complied with.

Validation:

Issued 7/18/79Expiration 7/17/84

PART I

SOURCE PERMIT NO. 13-0080-0004-01Page 2 of 18Idaho Portland Cement Company located at Inkom, Idaho

is hereby granted permission to operate the following air pollution
source or control equipment: Number 1 Allis Chalmers coal/gas fired
kiln controlled by a multiclone system followed by a Cottrell
electrostatic precipitator.

Restrictions:

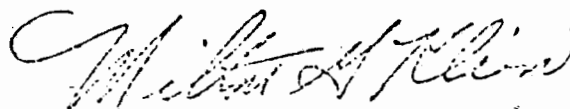
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
ESP Exhaust Stack	Particulate	See Part III	Stack Test as required by Operation and Maintenance Manual
ESP Exhaust Stack	SO ₂	Sulfur content of coal \leq 1%	

Conditions:

Validation (if different from Facility Permit)

Issued _____

Expiration _____



PART I

SOURCE PERMIT NO. 13-0080-0004-02

Page 3 of 18

Idaho Portland Cement Company located at Inkom, Idaho
is hereby granted permission to operate the following air pollution
source or control equipment: Number 2 F.L. Smith coal/gas fired
kiln controlled by a multiclone system followed by a Cottrell electros-
precipitator.

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
ESP Exhaust Stack	Particulate	See Part III	Stack Test as required by Operation and Maintenance Manua.
ESP Exhaust Stack	SO ₂	Sulfur content of coal \leq 1%	

Conditions:

Validation (if different from Facility Permit)

Issued _____

Expiration _____

M. R. Smith

PART I

SOURCE PERMIT NO. 13-0080-0004-03

Page 4 of 18

Idaho Portland Cement Company located at Inkom, Idaho
is hereby granted permission to operate the following air pollution
source or control equipment: No. 1 Fuller cooler controlled by
a baghouse.

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as required by Operation and Maintenance Manual

Conditions:

When a visible emission from the baghouse exceeds 5% opacity corrective action is to be implemented.

Validation (if different from Facility Permit)

Issued _____

Expiration _____

M. L. Klein

PART I

SOURCE PERMIT NO. 13-0080-0004-04Page 5 of 18Idaho Portland Cement Company located at Inkom, Idaho

is hereby granted permission to operate the following air pollution
source or control equipment: Clinker elevator and silo storage
controlled by two baghouses.

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Elevator Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as required by Operation and Maintenance Manual
Silo Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	

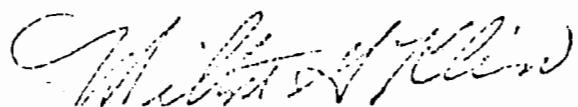
Conditions:

When a visible emission from the baghouse exceeds 5% opacity corrective action is to be implemented.

Validation (if different from Facility Permit)

Issued _____

Expiration _____



PART I

SOURCE PERMIT NO. 13-0080-0004-05Page 6 of 18

Idaho Portland Cement Company located at Inkom, Idaho
is hereby granted permission to operate the following air pollution
source or control equipment: #1 and #2 mill controlled by a baghouse.

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as required by Operation and Maintenance Manual

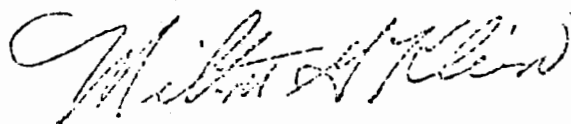
Conditions:

When a visible emission from the baghouse exceeds 5% opacity, corrective action is to be implemented.

Validation (if different from Facility Permit)

Issued _____

Expiration _____



PART I

SOURCE PERMIT NO. 13-0080-0004-06

Page 7 of 18

Idaho Portland Cement Company located at Inkom, Idaho

is hereby granted permission to operate the following air pollution
source or control equipment: #3 Mill controlled by a baghouse

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as required by Operatic and Maintenance Manual

Conditions:

When visible emissions from the baghouse exceed 5% opacity, corrective action is to be implemented.

Validation (if different from Facility Permit)

Issued _____

Expiration _____

M. A. Klein

PART I

SOURCE PERMIT NO. 13-0020-0004-07

Page 8 of 18

Idaho Portland Cement Company located at Inkom, Idaho

is hereby granted permission to operate the following air pollution
source or control equipment: Cement transfer to bulk loadout storage
controlled by a baghouse

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as required by Operation and Maintenance Manual

Conditions:

When visible emissions from the baghouse exceed 5% opacity, corrective
action is to be implemented.

Validation (if different from Facility Permit)

Issued _____

Expiration _____

M. H. Allen

PART 1

SOURCE PERMIT NO. 13-0080-0004-02

Page 9 of 18

Idaho Portland Cement Company located at Inkom, Idaho

is hereby granted permission to operate the following air pollution
source or control equipment: Bulk loading area baghouse

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test, as required by Operation and Maintenance Manual

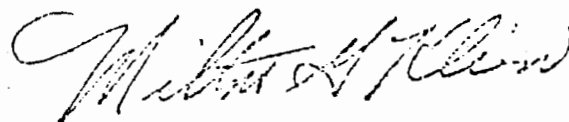
Conditions:

When visible emissions from the baghouse exceed 5% opacity, corrective action is to be implemented.

Validation (if different from Facility Permit)

Issued _____

Expiration _____



Authorized Signature

PART I

SOURCE PERMIT NO. 13-0020-0004-09

Page 10 of 18

Idaho Portland Cement Company located at Inkom, Idaho
is hereby granted permission to operate the following air pollution
source or control equipment: Cement storage silos controlled by a
baghouse

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as requi: by Operation and Maintenance Manual

Conditions:

When visible emissions from the baghouse exceed 5% opacity, corrective
action is to be implemented.

Validation (if different from Facility Permit)

Issued _____

Expiration _____

M. H. Klein

PART I

SOURCE PERMIT NO. 13-0030-0004-10

Page 11 of 13

Idaho Portland Cement Company located at Inkom, Idaho

is hereby granted permission to operate the following air pollution
source or control equipment: packhouse and packaging operation
controlled by a baghouse

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as re- quired by Operator and Maintenance Manual

Conditions:

When visible emissions exceed 5% opacity from the baghouse,
corrective action is to be implemented.

Validation (if different from Facility Permit)

Issued _____

Expiration _____



PART I

SOURCE PERMIT NO. 13-0080-0004-11

Page 12 of 18

Idaho Portland Cement Company located at Inkom, Idaho

is hereby granted permission to operate the following air pollution
source or control equipment: Raw Material crushing, screening and
transfer to storage silos.

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Crusher, Screens and Conveyors	Particulate	Compliance with sections 1-1251 and 1-1252 of the <u>Rules and</u> <u>Regulations for the Control of</u> <u>Air Pollution in Idaho</u>	

Conditions:

Validation (if different from Facility Permit)

Issued _____

Expiration _____

M. Herbert Klein

PART I

SOURCE PERMIT NO. 13-0080-0004-12

Page 13 of 18

Idaho Portland Cement Company located at Inkom, Idaho
is hereby granted permission to operate the following air pollution
source or control equipment: Railcar clinker receiving area (bottom
dump unloading hopper and conveying).

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Dump Area Conveying	Particulate	Compliance with section 1-1251 and 1-1252 of the <u>Rules and</u> <u>Regulations for the Control of</u> <u>Air Pollution In Idaho.</u>	

Conditions:

Validation (if different from Facility Permit)

Issued _____

Expiration _____

M. H. H. H.

PART I

SOURCE PERMIT NO. 13-0080-0004-13

Page 14 of 18

Idaho Portland Cement Co. located at Inkom, Idaho
is hereby granted permission to operate the following air pollution
source or control equipment: Coal receiving and storage area
(bottom dump coal hopper, transfer and storage).

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Dump area, Conveying and Storage	Particulate	Compliance with sections 1-1251 and 1-1252 of the Rules and Regulations for the Control of Air Pollution in <u>Idaho.</u>	

Conditions:

Validation (if different from Facility Permit)

Issued _____

Expiration _____

M. L. Klein

PART II GENERAL PROVISIONS

- A All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit in excess of that authorized, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided by breakdowns as defined in the Rules and Regulations for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws.
- C The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

2) at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.

D Except for data determined to be confidential under section 39-111, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.

E Nothing in this permit shall be construed to preclude institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable federal, state, or local law or regulation.

F In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

- G The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
- H Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information required by the Director to assess the air pollution impact of the equipment for which the permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- I The Department may require the permittee to develop an Operational and Maintenance Manual which must be approved by the Director. Such Manual shall become a part of this permit by reference, and failure to comply with the terms of the Manual shall constitute a violation of this permit.
- J The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to conducting any compliance tests required pursuant to this permit. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

PART III

EMISSION LIMITATIONS

FACILITY PERMIT NO. 13-0080-0004-00

Page 18 of 18

1. Allowable Mass Emission Rate (Effective on Issuance of Permit Unless Otherwise Noted)

A person shall not discharge into the atmosphere from any source operating prior to February 1, 1979 particulate matter in excess of the amount shown by the following equations:

If PW is less than 17,000 pounds per hour,

$$E = .045 (PW)^{0.60}$$

If PW is equal to or greater than 17,000 pounds per hour,

$$E = 1.12 (PW)^{0.27}$$

Where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour.

2. Allowable Grain Loading Rate (Effective January 1, 1981)

A person shall not discharge into the atmosphere from any source, particulate matter in excess of the concentration shown by the following equation:

$$C = 3.0 (V)^{-0.35}$$

Where C is the allowable concentration in grains per standard dry cubic foot of effluent gas and V is the volume of the effluent gas in standard dry cubic feet per minute.